BRUHATH BANGALORE MAHANAGARA PALIKE
BYATARAYANAPURA DIVISION

Name of Work: - Improvements of Roads, Drains, Footpath and Parks in ward no 08. (Package includes 11 works of Rs 1010 Lakhs)

BAR CHART

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BRUHATH BANGALORE MAHANAGARA PALIKE

PROJECT DIVISION-YALAHANKA

Improvements to Roads,drains,footpath and park in ward no.08,Bytarayanapura Division (Package includes 11 Works of Rs 1010 lakhs)

Job Code :-

Name of Agency :- M/s Karthik Enterprises

BAR CHART

Sl. No.	Description of Item	Unit	BOQ	Qty Executed	Percentage Completed
1	KSRRB M200-13.1. Dismantling of existing structures like culverts, Bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever	Cum	206.58		
	Up to 125%	Cum	92.00	92.00	100.00%
	Above 125%	Cum	114.58	114.58	100.00%
2	Removing & Refixing Stone slabs of drains and Pointing in C.M(1:3) (P.No.25, I.No.5.33 of PW, P&IWTD SR 2016-17)	Sq-m	7,388.91	7,388.49	99.99%
3	Removing and Resetting of Footpath Slab (P.No.25, I.No.5.33 of PW, P&IWTD SR 2016-17)	Sq-m	2,233.95	2,231.25	99.88%
4	KSRRB M300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neately dressed, the	Cum	9,609.49	9,500.57	98.87%
5	KSRB 4-1.2: Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.892 cum and fine aggregates @ 0.465	Cum	938.80	907.28	96.64%
6	Providing laying plain/ reinforced cement concrete M20 Grade for Box Drain walls of thickness 10cm to 20cm including centering shuttering for work etc. complete as per approved drawing and design MORTH	Cum	1,374.77	1,374.53	99.98%
7	KSRB 4-6.1: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete	Sq-m	180.33	0.00	
	Up to 125%	Sq-m	95.69	95.69	100.00%
	Above 125%	Sq-m	84.64	84.64	100.00%
8	KSRB 4-6.4: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surfaces such as walls at any thickness, including attached pilasters, buttresses, plinth and string	Sq-m	561.85	554.65	98.72%

Sl. No.	Description of Item	Unit	BOQ	Qty Executed	Percentage Completed
9	Providing and laying cement concrete using 20mm and downsize granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) for RCC works laid in 15cms thick layers and well compacted vibrating,	Cum	171.56	170.81	99.57%
10	KSRB - 4.9.2: Providing TMT steel Fe500 reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and	Tonne	77.25	77.10	99.81%
11	Providing granite Slabs of Selected quality roughly dressed and fixed in cement mortor (1:6) including fixing curing etc,. Complete. 10cms thick (P.No.25, I.No.5.31.2 of PW, P&IWTD SR 2016-17)	Sq-m	2,240.28	2,238.32	99.91%
12	KSRB 5-9 : Providing chamfering edges to stone slab 2.5 cms. wide as per specifications, (only chamfered length shall be recorded) KBS 5.1.13 (P.No.24, I.No.5.22 of PW,P&IWTD SR 2016-17)	Sq-m	10,036.00	10,029.00	99.93%
13	Providing One line dressing to granite stone slab/ granite stone masonry as per speciication (P.No.23, I.No.5.17 of PW,P&IWTD SR 2016-17)	Sq-m	2,264.64	2,263.05	99.93%
14	KSRB 5.2-3: Providing and constructing granite size stone masonry in foundation cement mortor 1:6, stone hammered dressed in courses not less than 20cms high, bond stones at 2m. apart in each course including cost of	Cum	212.76	212.78	100.01%
15	KSRB 5-11 : Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength	Sq-m	760.80		
	Up to 125%	Sq-m	730.00	730.00	100.00%
	Above 125%	Sq-m	30.80	29.98	97.34%
16	KSRB 15.1.1 Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour,	Sq-m	260.02	260.07	100.02%
17	KSRB 4-1.6: Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum,	Cum	158.37		
	Up to 125%	Cum	155.89	115.54	74.12%
	Above 125%	Cum	2.48	0.00	0.00%
18	KSRRB M400-19: Construction of Median and island above road level with approved material deposited from borrowpits, spread, sloped and compacted as per Clause 400.7 complete as per specifications. MORTH	cum	106.43	106.25	99.83%
19	Providing and laying/fixing cement base, precast, pre polished cement concrete, designer tiles 25mm thick conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick	Sq-m	842.10	844.82	100.32%

Sl. No.	Description of Item	Unit	BOQ	Qty Executed	Percentage Completed
20	Providing and fixing RCC Precast cover slab of 100mm thick for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete	Sq-m	3,209.75	3,209.49	99.99%
21	Providing and fixing RCC Precast cover slab of 250mm thick for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete	Cu-m	576.75	576.75	100.00%
22	Providing and fixing Pre cast solid concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting,	No	7,414.00	7,413.00	99.99%
23	Removing and Resetting of Kerb Stones (P.No.258, I.No.37.57 of PW,P&IWTD S.R 2015-16)	Rmtr	311.00	311.00	100.00%
24	KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8	Sq-m	752.28	601.76	79.99%
25	KSRRB M300-14. Excavation for roadwork in soil with hydraulic excavator of 0.90 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements	Cu-m	5,602.24		
	Up to 125%	Cum	2,987.04	2,987.04	100.00%
	Above 125%	Cum	2,615.20	2,376.67	90.88%
26	KSRRB M 400-17, Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechaniqal mix plant carriage ' of mixed	Cu-m	3,761.31		
	Up to 125%	Cum	1,719.20	1,780.25	103.55%
	Above 125%	Cum	2,042.11	1,628.84	79.76%
27	KSRRB M 500-6, Providing and applying primer coat with SS bitumen emulsion on prepared surface of granular Base such as WBM WMM including clearing of road surface and spraying primer at the rate of 0.60	Sq-m	16,117.71		
	Up to 125%	Sq-m	6,888.05	7,052.11	102.38%
	Above 125%	Sq-m	9,229.66	0.00	0.00%
28	KSRRB 500-2: Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatement including cost of all materials, labour,	Sq-m	39,540.71	36,413.13	92.09%

Sl. No.	Description of Item	Unit	BOQ	Qty Executed	Percentage Completed
29	KSRRB M500-7 : Providing and applying tack coat using 80/100 grade bitumen (VG10) on prepared black topped surfaces at 2.5 Kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road	Sq-m	82,502.02	60,852.19	73.76%
30	KSRRB M500-16. Providing and laying dense bituminous macadam 50-75mm compacted thickness with 4.5% VG-30 Bitumen using 40/60 TPH capacity H.M.P, using crushed aggregates of grading II, premixed with VG	Cum	1,351.55	963.54	71.29%
31	KSRRB M500-19. Providing and laying bituminous concrete 30-40 mm compacted thickness with VG30 Bitumen grade using 40-60 HMP using crushed aggregates of grading II, premixed with bituminous binder at 5.4%	Cum	2,227.20	1,668.54	74.92%
32	KSRRB M800-13. Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5mm is exclusive of surface applied glass beads as	Sq-m	1,602.77	1,214.79	75.79%
33	Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 with 25mm and down	Cum	305.65		
	Up to 125%	Cum	200.25	200.25	100.00%
	Above 125%	Cum	105.40	105.40	100.00%
34	Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc.,	Sqm	932.58	934.36	100.19%
35	Providing groove cutting to concrete pavement for width of 5mm to 10mm and depth 80mm - 100mm including cost of cutting machine, generator & HOM of machinery, including cost of blade, coolant, etc., including	Sq-m	30.86	30.85	99.97%
36	Providing and fixing M S Grating	Sq-m	15.79	15.79	100.00%
37	KSRRB M2600-5.(iv) Providing and filling joint sealing compound as per drawings and technical specifications with coarse sand and 6 per cent bitumen by weight complete as per specifications MORTH Specification	Mtr	822.00	822.00	100.00%
38	Providing Rain Water Harvesting Pits for Drains	No	2.00	2.00	100.00%
39	KSRRB M800-35. Supply and Installation of Moulded Shank Raised Pavement Markers made of polycarbonate and ABS(Acrylonitrile Butadiene Styrene) moulded body and reflective panels with micro	Nos	2,147.00	2,147.00	100.00%
40	Manufacturing, Supply & Fixing of Retro- Reflection Road name sign board single Arrow size 1.98X0.9m size made out if wide angle cube corner micro prismatic grade sheeting confirming to IRC 67:2010 & type	Nos	16.00	16.00	100.00%
41	KSRRB M300-59.1. Loosening of the ground upto a level of 500mm below the subgrade level, watered, graded and compacted in layers to meet requirement of Table 300-2 for subgrade construction complete as per	cum	127.50	126.38	99.12%

Sl. No.	Description of Item	Unit	BOQ	Qty Executed	Percentage Completed
42	KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as	Sq-m	10,271.05		
	Up to 125%	Sq-m	5,250.00	5,250.00	100.00%
	Above 125%	Sq-m	5,021.05	3,053.13	60.81%
43	KSRRB 500-3. Scarifying existing stone metal layer upto 75mm thick along with their bituminous surface, picking up scarified materials and stacking of old serviceable materials with lead of 100 m. sequential	sqm	1,968.00		
	Up to 125%	sqm	406.25	0.00	0.00%
	Above 125%	sqm	1,561.75	0.00	0.00%
44	KSRRB M300- Construction of Embankment with Material Gravel/ Murrum. KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site,	Cum	1,509.82	1,509.31	99.97%
45	Providing granite Slabs of Selected quality roughly dressed and fixed in cement mortor (1:6) including fixing curing etc,. Complete. 7.5cms thick (P.No.25, I.No.5.31.1 of PW, P&IWTD SR 2016-17)	sqm	464.40	463.32	99.77%
46	Providing and Making Precast Seating Arrengment including Excavation Laying PCC M15, Providing Laying M20 Concrete for Pedestal and Seating slab, fixing of seating slab including all necessary bolts and nuts	Each	0.00	0.00	Item Not Operated
47	Earth work for lowering and levelling the ground other than foundation works by mechanical means upto 3.00 depth, including providing shoring and strutting, removal of stumps and other deleterious matter, dressing of	Cum	90.00	90.99	101.10%
48	KSRRB M200-29. Dismantling of barbed wire fencing / wire mesh fencing including posts, foundation concrete, back filling of pit by manual means including disposal of dismantled material with all lifts and stacking	Sq-m	360.00		
	Up to 125%	Sq-m	50.00	50.00	100.00%
	Above 125%	Sq-m	310.00	310.00	100.00%
49	Supplying and fixing M.S. Rectangular poles made out of 2 equal angles of 65x65x6 mm welded together and fixed in CC (1:2:4) WITH 2 NOS 16mm dia M.S. hold fast rods each of length 25 cms. Including cost of all	Rmtr	0.00	0.00	Item Not Operated
50	Providing chain link fencing 50mm size of 8 guage properly stretched between existing rectangular poles and fixed with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at top and bottom as	Sq-m	537.50		

Sl. No.	Description of Item	Unit	BOQ	Qty Executed	Percentage Completed
	Up to 125%	Sq-m	105.00	105.00	100.00%
	Above 125%	Sq-m	432.50	432.50	100.00%
51	Providing and fixing M.S. Block pipe of 38mm dia, of heavy guage of 14 including removing the bends, cutting the pipe, and fixing pipe in between the existing two verticle poles (M.S. rectangular poles) and spot welding	Rmtr	0.00	0.00	Item Not Operated
52	Providing and fixing M.S. Gate as per Chief Architect Drawing, using 50mm x 50mm 14 guage M.S. hollow pipe frame work bent to ornamental shape as shown in the drawing and 35mm x 6mm and 16 x 16mm Square	sqm	0.00	0.00	Item Not Operated
53	KSRRB M800-7. Painting:-Providing and applying two coats of ready mix paint of approved brand after through cleaning of surface to give an even shade complete as per specifications. MORTH Specification No. 803 -	sqm	0.00	0.00	Item Not Operated
54	KSRB 4-1.7 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 20mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregtes @ 0.56cum,	Cum	41.25	40.69	98.64%
55	KSRRB 2100.-2.2: Earthwork in excavation for foundations of structures as per drawings and techincal specifications including, setting out , construction of shoring & bracing , removal of stumps and other deleterious	cum	735.37	735.31	99.99%
56	KSRB 2.8 : Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead	Cum	26.25	26.25	100.00%
57	KSRRB M2100-13. Plain / Reinforced Cement Concrete M15 with OPC cement @ 240kgs, with 40mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregates @ 0.56cum in Open Foundation	cum	35.88	35.88	100.00%
58	Diversion of water course by providing Coffer dams or bunds or islands as may be necessary for piers and abutments foundations, bailing out or pumping water during excavation and until completion etc., complete.(1.50	cum	78.75	78.75	100.00%
59	Diversion of water course by providing Coffer dams or bunds or islands as may be necessary for piers and abutments foundations, bailing out or pumping water during excavation and until completion etc., complete. - -	cum	0.00	0.00	Item Not Operated
60	KSRRB M800-43. Installation of a steel portable barricade with horizontal rail 300 mm wide, 2.5 m in length fitted on a 'A' frame made with 45 x 45 x 5 mm angle iron section, 1.5 m in height, horizontal rail painted (2 coats)	sqm	20.00	20.00	100.00%
61	KSRRB M2100-20.2. Plain / Reinforced Cement Concrete in Open Foundation with OPC cement design mix M35 @ 390kgs, with 20mm and down size graded granite metal coarse aggregates @0.68cum and fine	cum	20.48	20.48	100.00%
62	KSRRB M2200-5.19. Design mix M35 with OPC cement @ 390kgs,with 20mm and down size graded granite metal coarse aggregates @0.68cum and fine aggregates @ 0.45cum, with superplastisiser @3lts confirming to	cum	18.11	18.11	100.00%
63	KSRRB M2300-8.1. Furnishing and Placing Reinforced/ Prestressed cement concrete in super-structure as per drawing and Technical Specification complete as per specifications. D. RCC / PSC with OPC	cum	36.54	36.54	100.00%

Sl. No.	Description of Item	Unit	BOQ	Qty Executed	Percentage Completed
64	KSRRB M2200 -6 Supplying , fitting and placingTMT bar Fe 550 reinforcement in sub-structure complete as per drawing & technical specification complete as per the specification . MORTH Specification	Mt	12.26	12.22	99.68%
65	KSRRB M2300 -14. supplying , fitting and placing TMT bar Fe 550 reinforcement in super-structure complete as per as per drawing & technical specification complete as per the specification . MORTH	Mt	2.29	2.29	100.00%
66	KSSRB M220 - 8. Providing weep holes in Brick masnory / Plain / Reinforced concrete abutment, wing wall / return wall with 100mm dia AC pipe, extending through the full width of the structure with slope of 1V:20H	cum	52.50	52.50	100.00%
67	KSRRB M2700-4. Providing, fitting and fixing mild steel railing complete as per drawing and Technical Specification complete as per specifications MORTH Specification No. 2703.2, 1900	sqm	0.00	0.00	Item Not Operated
68	KSRRB M2700-5. Drainage Spouts complete as per drawing and Technical specification complete as per specifications MORTH Specification No. 2705	cum	0.00	0.00	Item Not Operated
69	KSRRB 2200-9 Filter Media Providing & laying of Filter media With Granular meterails / Stone crushed aggregates satisfying the requirement laid down in clause 2500.4.2.2 of MORTH Specification to a thickness on	cum	34.65	34.65	100.00%
70	KSRRB 2200-8.1 Back filling behind Abutment, Wing wall & return wall to the full height compacted to a firm condition complete as per Drawing & Techincal Specifications. Complete as per specification A. Granular	Cum	86.63	86.63	100.00%
71	KSRRB M2500- Flexible Apron KSRRB M2500-11. Construction of flexible apron 1 m thick comprising of loose stone boulders weighing not less than 40 kg beyond curtain wall complete as per specifications MORTH	Cum	0.00	0.00	Item Not Operated
72	KSRRB M2500-5.1. Providing and laying Flooring complete as per drawing and Technical specifications laid over cement concrete bedding complete as per specifications. A. Rubble stone laid in cement mortar 1:3	Cum	0.00	0.00	Item Not Operated
73	KSRRB M2500-10.Curtain wall complete as per drawing and Technical Specifications. B. Cement Concrete Grade M-15 MORTH Specification No. 2507.2	Cum	0.00	0.00	Item Not Operated
74	KSRRB M200-15.2. Dismantling of existing structures like culverts, Bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever	Cum	47.25	47.25	100.00%
75	KSRRB M400-6.2. Construction of granular sub-base by providing close graded material, mixing in a mechaical mix plant at OMC, carriage of mixed material to work site, spreading in uniform layers with motor grader	Cum	0.00	0.00	Item Not Operated
76	Providing granite Slabs of Selected quality roughly dressed and fixed in cement mortor (1:6) including fixing curing etc,. Complete. 7.5cms thick (P.No.25, I.No.5.31.1 of PW, P&IWTD SR 2016-17)	Sq-m	0.00	0.00	Item Not Operated
77	Add cost of Waste Plastic @ 8% of Bitumen Weight	Kgs	25,122.77	10,701.65	42.60%

Sl. No.	Description of Item	Unit	BOQ	Qty Executed	Percentage Completed
	Extra Items				
EIRL-1	Removing and refixing of existing chainlink fencing.	m	1,139.50	1,139.50	100.00%
EIRL-2	Removing and refixing of existing poles.	m	654.00	654.00	100.00%
EIRL-3	KSRRB M300- Wrought iron and mild steel welded work KSRRB M300-18. Wrought iron and mild steel welded work (using angles, square bars, tees and channel grills, grating frames, gates and tree guards of any size and	Quintal	35.80	35.80	100.00%
EIRL-4	KSRRB M800-Portable barricade in construction zone KSRRB M800-43. Installation of a steel portable barricade with horizontal rail 300 mm wide, 2.5 m in length fitted on a 'A' frame made with 45 x 45 x 5 mm angle iron	Each	751.00	751.00	100.00%
EIRL-5	KSRRB 300-6. Excavation soft rock without blasting for formation of roads including stacking neatly, to uniform line and level including cost of explosives, labour, HOM of machineries and equipments complete as per	Cum	369.00	369.00	100.00%
EIRL-6	KSRB15-3.5 : Providing 15mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding,	Sq-m	411.60	411.60	100.00%
EIRL-7	KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered	Sq-m	411.60	0.00	0.00%
EIRL-8	KSRB 14.6-2: Providing & laying heavy duty cobble stones 75mm thick interlock pavers,using cement & course sand for manufacture of blocks of approved size ,shape and colour with a minimum compressive strength of	Sq-m	563.36	255.10	45.28%
EIRL-9	Crushed Coarse aggregate,(Supply of hand broken aggregates) 100mm and down size Item No 37, Code 0912, Page No II (Material Rate) PWD SR 2018-19	Cum	476.59	476.58	100.00%
EIRL-10	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of	Cum	1,350.96	1,349.32	99.88%
EIRL-11	KSRRB M600-1. Construction of dry lean cement concrete mix CC1:5:10 with OPC cement @160Kgs, with 25mm and down size graded granite metal coarse aggregate at 0.86cum and fine aggregates @ 0.58cum Sub-	Cum	119.15	119.14	99.99%
EIRL-12	Providing barbed GI wire fencing of 12x12 gauge drawn into stone pillars or iron pillars including drawing in holes wherever necessary excluding the cost of pillars but including the cost of barbed wire and binding wire etc.,	Mtr	392.00	392.00	100.00%
EIRL-13	Supply & Fixing of Pull Down chalenger Metal : All Tubular steel f2.5mm thichness are galvanized and zinc dipped. Joints are Robotic Welded. All welded joints are scalloped as necessary and welded to an approved MIG	Each	1.00	1.00	100.00%
EIRL-14	Supply & Fixing of Seated Chest Press : All Tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic Welded. All welded joints are scalloped as necessary and welded to an approved MIG	Each	1.00	1.00	100.00%

Sl. No.	Description of Item	Unit	BOQ	Qty Executed	Percentage Completed
EIRL-15	Supply & Fixing of Elliptical Cross Trainer: All Tubular steel of 2.5mm thichness are galvanized and zinc dipped. Joints are Robotic Welded. All welded joints are scalloped as necessary and welded to an approved MIG	Each	1.00	1.00	100.00%
EIRL-16	Supply & Fixing of Rider Metal All Tubular steel of 2.5mm thichness are galvanized and zinc dipped. Joints are Robotic Welded . All welded joints are scalloped as necessary and welded to an approved MIG process . All	Each	1.00	1.00	100.00%
EIRL-17	Supply & Fixing of Bicycle. Metal : All Tubular steel of 2.5mm thichness are galvanized and zinc dipped. Joints are Robotic Welded . All welded joints are scalloped as necessary and welded to an approved MIG process .	Each	1.00	1.00	100.00%
EIRL-18	Supply & Fixing of Arm & Pedal Bike Metal : All Tubular steel of 2.5mm thichness are galvanized and zinc dipped . Joints are Robotic Welded . All welded joints are scalloped as necessary and welded to an approved MIG	Each	1.00	1.00	100.00%
EIRL-19	Supply & Fixing of HD Sit Up Station Metal: All Tubular steel of 2.5mm thichness are galvanized and zinc dipped. Joint are Robotic Welded. All welded joints are scalloped as necessary and welded to an approved MIG	Each	1.00	1.00	100.00%
EIRL-20	Supply & Fixing of HD mini Ski Metal: All Tubular steel of 2.5mm thichness are galvanized and zinc dipped. Joints are Robotic Welded. All welded joints are scalloped as necessary and welded to an approved MIG	Each	1.00	1.00	100.00%
EIRL-21	Supply & Fixing of HD Squat Pushing Metal : All Tubular steel of 2.5mm thichness are galvanized and zinc dipped . Joints are Robotic Welded . All welded joints are scalloped as necessary and welded to an approved MIG	Each	1.00	1.00	100.00%
EIRL-22	Providing children play standred spring duck Equipment : The system consists of and FRP coloured duck rocking on 10mm dia heavy duty coiled spring including fixing the play equipments in CC 1:2:4, curing etc.,	Each	1.00	1.00	100.00%
EIRL-23	Providing Children play Standerd Duck Wheel Equipment : This is a Micro Revolver made up of an 4 feet diameter platform with 1.5mm thick Aluminium Chequered plate supported well two Nos of ball bearings. 2	Each	1.00	1.00	100.00%
EIRL-24	Providing children play two seater standred swing equipment : This swing consist of 2 nos seat of powder coated of size 500mmx250mm x16SWG supported by M S chains of length 18mtrs each seat is suspended by 1	Each	1.00	1.00	100.00%
EIRL-25	Providing and fixing standard slide of approved quality and design as per the drawing and specification and direction of the Engineer in chrage of the work.	Each	1.00	1.00	100.00%
EIRL-26	Lead for disposal of debris shall be payable at carriage rates by mechanical means including loading and unloading. From10.00 to 13.30 kms (Pg132, 1-2)	Cum	162.05	162.00	99.97%

TESS CONSULTANTS

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